WBLE-SL ▶ UECM3463-202206-EZZ ▶ Quizzes ▶ 202206UECM34630E1b ▶ Review of preview							
Info Results Preview Edit							
	202206UECM34630E1b Start again						
	Review of preview						
Started on	Friday, 8 July 2022, 07:04 PM						
Completed on Time taken	Friday, 8 July 2022, 07:04 PM						
	0 out of a maximum of 10 (0 %)						
1 👺 Marks: 1	The probability density function of loss $f(x) = 3(410-x)^2/410^3$, $0 < x \le 410$ An insurance coverage for these losses	s amounts is given by s has an ordinary deductible of 100 Calculate the mean excees loss at 100					
	Answer:	x					
	Make comment or override grade						
	Incorrect Correct answer: 77.5						
	Marks for this submission:	0/1.					
2 🕏 Marks: 1	Let X be a discrete random variable wi $P_X(z) = 0.53z^{200} + 0.17z^{600} + 0.13z^1$ Calculate LER(1,100).	th probability generating function 000 + 0.09z ¹⁴⁰⁰ + 0.08z ¹⁸⁰⁰					
	Answer:	x					
	Make comment or override grade						
	Incorrect Correct answer: 0.863487						
	Marks for this submission:	0/1.					
3 🕏 Marks: 1	For an insurance coverage, lossess (be elimination ratio	efore application of any deductible) follow a Pareto distribution with parameters α = 4 and θ =6000. The coverage is subject to a deductible of 600. Calculate the deductible needed to double the loss					
	Answer:	X					
	Make comment or override grade						
	Incorrect Correct answer: 2463.305312						
	Marks for this submission:	0/1.					
4 👺 Marks: 1		stribution with parameters a = 3 and θ = 280 with deductible of 56.1, coinsurance of 75% and a loss limit of 112.20 (before application of the deductible and coinsurance) are applied to each individual flation. Determine the variance of the loss payment on the per payment basic.	al l				

	Answer:		X		
	Make comment or override grade Incorrect Correct answer: 172.32		_^		
	Marks for this submission	1: 0/1.			
5 🕏	An insurance agent receives no honu	s if his loss ratio is higher that 72%. Otherwise, he receives a honus of 28% of his earned premium times the excess of	77% over his loss ratio, defined as losses divided by earned premium, but no more		
Marks: 1	An insurance agent receives no bonus if his loss ratio is higher that 72%. Otherwise, he receives a bonus of 28% of his earned premium times the excess of 72% over his loss ratio, defined as losses divided by earned premium, but no more than 16.24% of his earned premium. Losses follow a Gamma distribution with a = 2 and b = 5,400. The agent's earned premium is 6,800. Calculate the expected value of his bonus.				
	Answer:		_ x		
	Make comment or override grade				
	Incorrect Correct answer: 120				
	Marks for this submission	: 0/1.			
6 ☑ Marks: 1	Annual losses follow a Pareto distribu	Annual losses follow a Pareto distribution with α = 4.00 and θ = 1,700. Calculate VaR _{0.953}			
	Answer:		_ x		
	Make comment or override grade				
	Incorrect Correct answer: 1951.106128				
	Marks for this submission	: 0/1.			
	Annual Innua Callania Banaka diaksika	ition with parameters $\alpha = 4$ and $\theta = 800$. TVaR _n = 1,407, Determine p			
7 🕏 Marks: 1	Annual losses follow a Pareto distribi	ition with parameters $a = 4$ and $\theta = 800$. IVaK _p = 1,407, Determine p			
	Answer:		_ x		
	Make comment or override grade				
	Incorrect Correct answer: 0.945436				
	Marks for this submission	: 0/1.			
0.5	The leases experienced by an incurre	aga gamany haya kha fallawing nyahahilitu distribution			
8 ₪ Marks: 1	The losses experienced by an insural	Loss size Probability			
	Calculate the CTE _{0.69} .	1,240 0.05			
	Answer:		_ x		
	Make comment or override grade				
	Incorrect Correct answer: 332.903226				
	Marks for this submission	: 0/1.			
		10.4500			
9 🕏 Marks: 1	Losses follows a beta distribution wit	h θ = 1,530, a = 3, b = 1. Calculate CTE _{0.98}			
	Answer:		_ X		
	Make comment or override grade Incorrect				

	Correct answer: 1525.058573 Marks for this submission: 0/1.				
10 👺 Marks: 1	Losses follow a lognormal distribution with parameters $\mu = 5$, $\sigma = 2$. Losses are subject to a 1100 franchise deductible. 10% inflation affects the losses. Calculate the revised franchise deductible so that the expected aggregate cost of claims after inflation with the deductible is the same as it was before inflation with the 1100 franchise deductible				
	Answer:				
	Make comment or override grade				
	Incorrect Correct answer: 2111.808567 Marks for this submission	n: 0/1.			

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